10 40 20 EXPOSURE/GAIN SETTINGS IMAGER CONTROL IMAGER EOF SIGNAL TARGET CONTERST (HEED BACK) DMA CONTROLLER CAPTURE COMMAND HISTOGRAM MEMORY PROCESSING 50 RAM MODULE DATA MAGE 30

FIG. 1

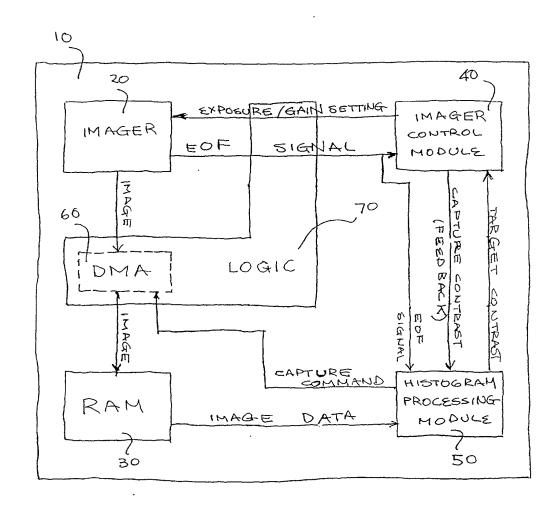


FIG. 2

Title: Methods and Apparatus For Automatic Exposure Control

Inventor(s): Jeffrey D. Harper, et al. Atty Dkt No: 33257/207653

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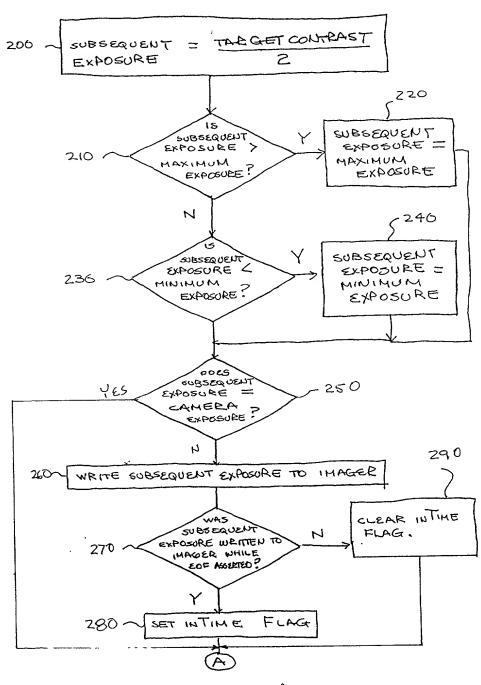


FIG. BA

NEXT EXPOSURE = A MOUNTH S ANSOAKS STUARCHON 310 TARGET CONTRAST SUBSEQUENT GAIN NEXT EXPOSURE 330 SUBSEQUENT TUSUBERZOUE GAIN = GAIN > WAXIMUM 320 -MAXIMUM GAIN N ,350 SUBSEQUENT TUBUSEBUE GAIN = GAINS / 340 CAMIN WRITE SUBSEQUENT GAIL TO THE MAGER

FIG: 3B.

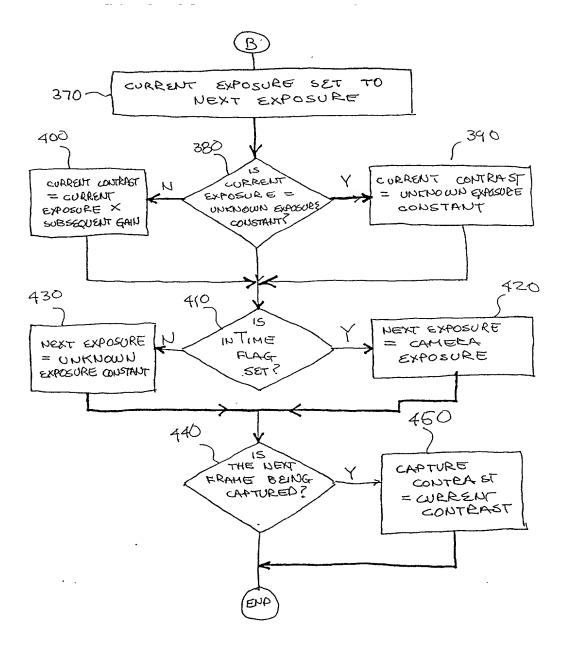


FIG. 3C

Title: Methods and Apparatus For Automatic Exposure Control

Inventor(s): Jeffrey D. Harper, et al.

Atty Dkt No: 33257/207653

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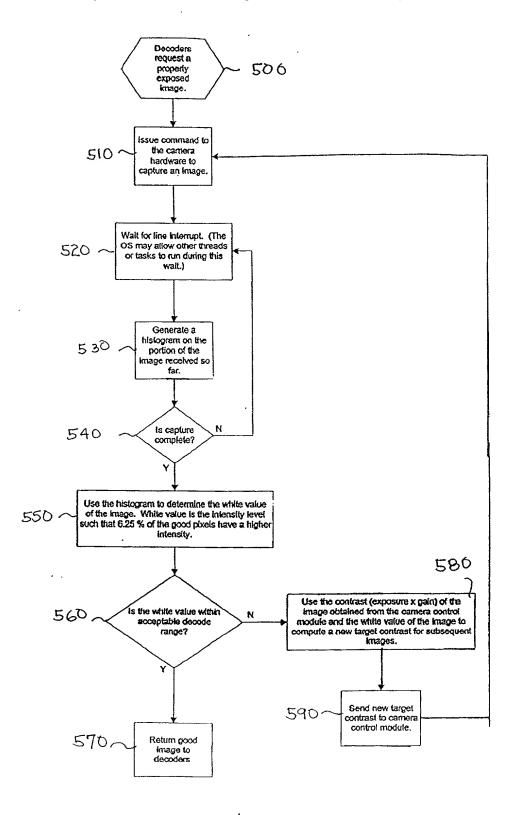


FIG. 4